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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,368	10/21/2003	Mark Alan Lysinger	03-C-041	6555
7590 03/09/2005			EXAM	NER
Lisa K. Jorgenson			LAM, DAVID	
STMicroelectronics, Inc. 1310 Electronics Drive, MS 2346			ART UNIT	PAPER NUMBER
Carrollton, TX	•		2827	
			DATE MAILED: 03/09/200	ς

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	(-1)
	10/690,368	LYSINGER, MARK ALAN	
Office Action Summary	Examiner	Art Unit	
	David Lam	2827	_
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet v	vith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a ly within the statutory minimum of th will apply and will expire SIX (6) MC e, cause the application to become a	n reply be timely filed irty (30) days will be considered timely. INTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on			
,	s action is non-final.		
3) Since this application is in condition for allowa closed in accordance with the practice under to	·	•	
Disposition of Claims			
4) ⊠ Claim(s) 1-33 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ⊠ Claim(s) 1-33 is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	wn from consideration.		
Application Papers			
9)☐ The specification is objected to by the Examine			
10) The drawing(s) filed on is/are: a) acc			
Applicant may not request that any objection to the	- · · ·		
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	·		
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea	ts have been received. ts have been received in ority documents have bee	Application No	
* See the attached detailed Office action for a list	of the certified copies no	t received.	
Attachment(s)			
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) o(s)/Mail Date	
 Notice of Draftsperson's Patent Drawing Review (P10-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>10/03</u>. 	_	Informal Patent Application (PTO-152)	

DETAILED ACTION

This application is in condition for allowance except for the following formal matters:

IN THE ABSTRACT:

- The abstract of the invention exceeded 150 words.

Allowable Subject Matter

Claims 1-33 are allowable over the prior art of record because none of the prior art whether taken singularly or in combination, especially when these limitations are considered within the specific combination claimed, to teach: a magnitude content addressable memory (MCAM) comprising: a magnitude comparator/comparison means, among others as claimed in independent claims 1, 31, coupled to first memory cell and operable to receive a comparison value and data value as inputs to produce first and second magnitude signals as outputs; magnitude comparators, among others as claimed in independent claim 17, connected in series arrangement and are operate to produce first/second magnitude signals indicating whether comparison word is greater/less than the data word. Method of comparing comprising step of outputting from the first MCAM cell a first magnitude signal indicating whether the least significant bit of the comparison word is less than the least significant bit of the data word.

Conclusion

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Lindahl et al. (6,665,202) disclose CAM that can identify a best match.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Lam whose telephone number is 571-272-1782. The examiner can normally be reached on 6:00 – 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai Ho can be reached on 571-272-1777. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. Lam

DAVID LAM
PRIMARY EXAMINER

March 2, 2005